Public Works (1911) Department.

G.O., No. 347-I

DATED 9-11-1911.

The Notes
in this G.O. have been printed.

[Despatch Abstract.]

Ramnad big tank

Sanctioning an estimate of Rs. 125 for investigating the — in the Madura Special Division.

3.E.S./Dr./Dr./Dr. 17/11

Indexed. 16/11

Regd as 61 2/11-12

[P. W. 6.
1,250—22-7-09.]

9/11/11

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Government of Madras.

PUBLIC WORKS DEPARTMENT.

IRRIGATION.
ACCOUNT.

Recd.	1911.	*Enclosures*
Regd.		*Spare copies*

G.O. No. 347 I., 9th November 1911.

Ramnad Big tank

Sanctioning an estimate of Rs. 125 for investigating the — in the Madura Special division.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers:—

I

Letter—from A. R. deChazal, Esq., Executive Engineer, Madura Division.
To—the Superintending Engineer, VI Circle.
Dated—Trichinopoly, the 15th/17th September 1906.
No.—709 S.E.

I have the honour to ask for orders on the following points:—

I have been asked by the Collector to frame an estimate to make the big Rámnád tank safe from breaching, as it is continually breaching and threatens the town of Rámnád and the Madura-Pamban line.

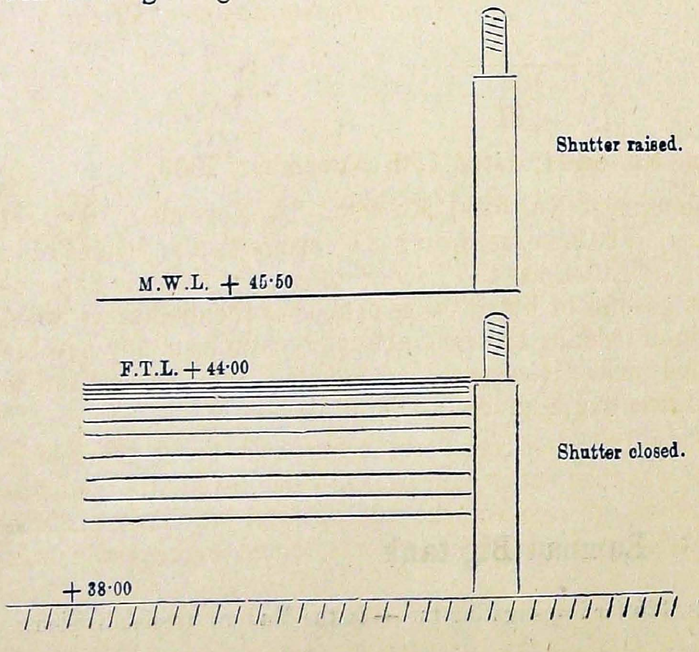
I have been over all the tank: the Vaigai empties itself entirely into it. The soil, of which the bund is made, is light black-cotton soil, becoming sandy in a few places specially towards the flanks. There is not a stone in the whole country for 70 miles around. The bund is protected by a fairly good wild cane plantation which grows on a wide berm sloping about 5 to 1 and more towards the tank. The bund itself is about 9 miles long and each foot of height between the F.T.L. and M.W.L. makes a great difference in the cost of the restoration of the bund. There are four escapes in the tank, which between them discharge 8,600 cusecs with a difference of $1\frac{1}{2}$ feet between F.T.L. and M.W.L. Of these, only one is a flush escape and one a calingula, the other two are vented escapes with massive pillars and stone beams across them to enable the vents to be opened and closed. The maximum observed flood discharge of the Vaigai at Peranai is 33,900 cusecs. This corresponds to a co-efficient of 270 in the formula $D=C\ M^{\frac{2}{3}}$.

The catchment of the Vaigai at Rámnád is 2,100 square miles, giving a discharge of 44,300 cusecs with the same co-efficient.

The discharging capacity of the existing escapes of the tank being 8,600 cusecs; it is necessary to provide for

44,300 — 8,600 cusecs or 35,700 cusecs.

In order to discharge this, it is best in my opinion to have a vented escape with screw gearing shutters of the following dimensions:—



The vents will be 6 feet high with a head of $1\frac{1}{2}$ feet and their shutters should be raised clear of the M.W.L. A total length of 1,198 feet or 1,200 feet of vents will be required or 200 vents of 6 feet width.

2. Between Peranai and the Rámnád tank there are innumerable open channels to feed tanks, etc., taking off from the Vaigai. I really believe that even in a big flood a good deal of the water in the Vaigai would go into these flood channels and that only a certain portion of the real flood waters would go into the Rámnád tank. It is impossible to gauge the quantity of water which would enter the Rámnád tank in a flood. It is probable that not more than half of this calculated flood discharge would do so. I propose therefore to estimate for a new weir of only half the length of ventway which I have calculated above, *i.e.*, for only 600 running feet of ventway or 100 vents 6 feet wide.

3. In my opinion, a very fruitful source of breaches in the bund of this tank is the vast area of cultivated land which it has in its foreshore and in its bed. I believe that many breaches must have been caused by land owners above, holding lands in the bed of the tank, bursting the bund in order to secure their crops from being lost. It may possibly cost a very large sum to buy off these lands.

4. I do not propose to estimate in detail for the earthwork, but I propose to hand over the levels of the bund to the estate so that they can be guided by them. I propose to have the bund 4 feet above M.W.L. in the deep bed of the tank and at the left flank and only 3 feet at the right flank with a top width of 6 feet. The nanal plantations should be extended as much as possible to protect the tank in lieu of a revetment.

5. As this estimate will have to be approved of by the Chief Engineer for Irrigation, I beg that you will be good enough to get his approval to my proposals before I make the estimate.

6. I enclose the levels of the tank and of all its escapes, as well as a survey of the tank itself.

No. 652-*C.E.*, *dated* 1*st November* 1906.

Forwarded in original to the Chief Engineer for Irrigation for orders. I kept this file back to enable me to discuss the question personally with Mr. deChazal and I had not an opportunity of doing this until yesterday.

I am not prepared to accept Mr. deChazal's figure for the discharge to be provided for, as Rámnád is near the sea and liable to get cyclonic storms. I think a co-efficient of 1,000 should be taken.

The work will be paid for by the Rámnád estate.

S. B. MURRAY,
Superintending Engineer, *VI Circle.*

II

Memorandum No. 4444, dated 15th November 1906.

With reference to endorsement No. 652-C.E., dated 1st November 1906, of the Superintending Engineer, VI Circle, regarding the repairs to the Rámnád big tank, the Chief Engineer for Irrigation has the honour to request that the Superintending Engineer will be so good as to obtain some details of the discharges when the tank breached. The cost of making the tank absolutely safe from any possible flood would be prohibitive and unless it were made absolutely safe, expenditure to the extent proposed by the Executive Engineer would be useless.

2. The Chief Engineer for Irrigation recollects being held up at Rámnád in 1890 by floods and the bund was then cut at both flanks, which saved it. As far as the Chief Engineer for Irrigation can recollect, the cuts were not very large and it is possible that a moderate extension of the surplus works would make it safe from ordinary floods.

Without some more information as to what takes place during floods and what damage is done to it, the Chief Engineer for Irrigation can give no opinion.

3. It is observed that the Superintending Engineer was not ordered to adopt a co-efficient of 1,000 for Ryves' formula, although in the case of Korampallam tank the run-off of $6\frac{1}{2}$ inches in 24 hours may have given the same result.

4. A large addition to the surplus works was made in 1888 when the zamindari was in the hands of the Court of Wards, the papers available in this office are useless, but possibly the report accompanying the estimate may be found in Madura and may be useful.

(By Order).

T. W. S. SMYTH,
Asst. Engineer for Irrigation.

To the Superintending Engineer, VI Circle.

III

Reminder to the Superintending Engineer, VI Circle, dated 9th September 1907.

IV

Letter—from C. W. WOOD, Esq., Superintending Engineer, VI Circle.
To—the Chief Engineer for Irrigation.
Dated—Trichinopoly, the 27th September 1907.
No.—530-C.E.

With reference to your reminder No. 3539, dated 9th September 1907, regarding the discharges, etc., of the Rámnád big tank, I have the honour to inform you that the Executive Engineer, Madura Division, reports that he will furnish the information called for as soon as the records connected with the repairs to the tank in the year 1888 asked for from the Collector are received by him.

V

Letter—from J. H. MEDLICOTT, Esq., Superintending Engineer, VI Circle.
To—the Chief Engineer for Irrigation.
Dated—Trichinopoly, the 14th November 1907.
No.—614-C.E.

With reference to your Memorandum No. 4444, dated 15th November 1906, I have the honour to inform you that no records giving details of the discharges when the tank breached are forthcoming in the Madura Division office.

2. The level sections and plans received with your memorandum under reference are herewith resubmitted.

VI

Memorandum No. 4915, dated 7th December 1907.

With reference to letter No. 614-C.E., dated 14th November 1907, from the Superintending Engineer, VI Circle, the Acting Chief Engineer for Irrigation has the honour to inform him that any estimate of the surplus discharge which has to be dealt with, based on a co-efficient in Ryves' or Dickens' formula, is in the case under reference quiet untrustworthy as it is believed that most of the flood water is taken up by the numerous irrigation channels with open heads higher up the river.

The Superintending Engineer is requested to instruct the Executive Engineer to make the best estimate of the maximum flood discharge he can, based on actual experiences. The flood levels of this year should be very useful for this purpose.

In resubmitting the proposals the case should be explained more clearly furnishing required information on the following points :—

(1) What are the interests at stake on behalf of which this investigation has been started ?

(2) How often has the tank breached in recent years and what damage has resulted therefrom?

(3) If permanent surplus works of the nature proposed by the Executive Engineer were made, would the breaching of the tank by the ryots holding lands in the bed cease?

(4) What would be the approximate cost of the surplus works proposed?

(5) Would not the conditions of the case be sufficiently met by lowering the bund to F.T.L. wherever the levels of the ground in rear permitted and by forming breaching sections at suitable places

(6) The plans should show the position of Rámnád town which it is intended to protect.

(7) It should be clearly stated who is to pay for the work.

H. E. CLERK,
Ag. Chief Engineer for Irrigation.

To the Superintending Engineer, VI Circle.

VII

Letter—from M. BROWN, Esq., Executive Engineer, Madura Special Division.
To—the Collector of Rámnád.
Dated—the 27th July 1910.
No.—1870-M.

With reference to your No. 673, dated 4th July 1910, I have the honour to inform you that my predecessor in the year 1906 sent in proposals at a cost of about Rs. 20,000 comprising the following chief items:—

	RS.
(1) Providing an escape, 600′ long, with 100 vents, each 6′ wide, about	10,000
(2) Raising bund at L.F. to 4′ + M.W.L. at R.F. to 3′ + M.W.L. with top width 6′	7,000
(3) Sundry repairs, etc.	3,000
Total ...	20,000

for restoring the Rámnád big tank. These proposals after a good deal of discussion were not eventually settled. Before going to the expense and trouble of preparing costly estimates, which may be given a similar fate, I request you will let me know—

(1) The total amount that can be spent on the repair of this tank.

(2) The maximum water-level to which water is allowed to be stored and which is actually being and has been stored with reference to the level of the cill of the right bank escape.

(3) The cost of repairs for the last three years.

(4) What action is taken to prevent the water spread villages or other persons from cutting the bund during the time of high water.

This item is of the utmost importance as it is useless to repair a tank embankment if it is going to be wilfully cut and no amount of expenditure on this tank will save the railway, if the right flank embankment was cut.

(5) I would also invite your attention to the rulings contained in G.O. No. 1489, Revenue, dated 6th May 1910, and particularly to the portion noted in the margin extracted from the Government Order. Please consider what portion of the proposed repairs and improvements to the tank are solely in the interests of the railway line and what portion of the total cost should be borne by the railway company. In this case the consent of the Railway to meet the cost should be obtained.

> *Order—No.* 1489, *Revenue, dated* 6*th May* 1910.
>
> * * *
>
> When it is proposed to execute repairs or improvements to the tank which go beyond the liability imposed on the owner by the law as stated above, such repairs or improvements, if proposed in the interests of the railway, should not be undertaken, unless the Railway authorities have first consented to meet the cost thereof.
>
> * * *

Letter—from M. BROWN, Esq., Executive Engineer, Madura Special Division.
To—the Collector of Rámnád.
Dated—September 1910.

With reference to your R.O.C. No. 1053-Gl. of 1910, dated 20th August 1910, I have the honour to refer you to my No. 1870 M., dated 27th July 1910, wherein I have roughly dealt with the cost of improving the tank as detailed below :—

	Rough amount.
	RS.
(1) Raising bund to 4′ + M.W.L. at L.F. and 3′ + M.W.L. at R.F. with top width 6′	7,000
(2) Providing escape 600 feet long with 100 vents, each 6 feet wide.	10,000
(3) Sundry repairs	3,000
Total ...	20,000

To this an amount roughly about Rs. 5,000 may be added for constructing revetment 1′ + M.W.L. as suggested in my No. 1281 S., dated 28th May 1910, thus making up the total to Rs. 25,000 or so.

I am unable to give any further estimate unless the question asked by me in paragraph 2 of my No. 1870, dated 27th July 1910, referred to above is answered. Please state the approximate date on which I may obtain an answer in this office. G.O. No. 1489, Revenue, dated 6th May 1910, returned with your R.O.C. No. 1053/Gl., dated 20th August 1910, has been received.

No. 973-*S.E.*, *dated* 13*th September* 1910.

Copy with copy of this office No. 1870 M., dated 27th July 1910, is forwarded to the Superintending Engineer, VI Circle, for information with reference to his No. 1241, dated 2nd March 1910. Government has, I understand, fixed the maximum level of water to be stored.

M. BROWN,
Executive Engineer, Madura Special Division.

No. 956-*C.E.*, *dated* 17*th September* 1910.

Forwarded to the Chief Engineer for Irrigation with reference to the correspondence ending with his No. 4915, dated 7th December 1907.

T. W. S. SMYTH,
Superintending Engineer, VI Circle.

VIII

Memorandum R.O.C. No. 3733/10, dated 15th November 1910.

With reference to letter No. 973-S.E., dated 13th September 1910, of the Executive Engineer, Madura Special division, forwarded with the Superintending Engineer's endorsement No. 956-C.E., dated 17th September 1910, the Chief Engineer for Irrigation has the honour to inform the Superintending Engineer that no records are traceable in this office fixing the maximum level of water to be stored in the Rámnád big tank.

2. The attention of the Superintending Engineer is invited to this office Memorandum No. 4915, dated 7th December 1907, and he is requested to be so good as to report fully on all the points raised therein after receipt of the reply from the Collector of Rámnád to the reference made to him by the Executive Engineer, Madura Special division, on the subject.

(By Order.)

J. M. LACEY,
Asst. Chief Engineer for Irrigation.

To the Superintending Engineer, VI Circle.

IX

Reminder to the Superintending Engineer, VI Circle, dated 23rd February 1911.

X

Letter—from C. Mildred, Esq., a.m.i.c.e., Superintending Engineer, VI Circle.
To—the Chief Engineer for Irrigation.
Dated—the 8th March 1911.
No.—307-C.E.

I have the honour to inform you that an estimate, amounting to Rs. 125, for preliminary expenses for the investigation of Rámnád big tank has been forwarded to the Collector of Rámnád for his countersignature and taking necessary steps for collecting the amount from the zamindar. On receipt of his reply, the tank will be investigated and a complete report on all the points raised in your Memorandum No. 4915, dated 7th December 1907, will be submitted. The Executive Engineer, Madura Special division, has been requested to treat the reference as specially urgent and dispose of it as early as possible.

XI

Letter—from C. Mildred, Esq., a.m.i.c.e., Superintending Engineer, VI Circle.
To—the Chief Engineer for Irrigation.
Dated—Trichinopoly, the 22nd August 1911.
No.—949-C.E.

With reference to the correspondence ending with this office No. 307-C.E., dated 8th March 1911, I have the honour to submit herewith an estimate, amounting to Rs. 125, to cover the expenditure already and yet to be incurred on the preliminary investigation of the Rámnád big tank. The investigation was undertaken at the instance of the Collector of Madura who wished to know what action should be undertaken to protect the interests of the Madura-Pámban Railway from the danger threatened by the breaches in the above tank.

2. Proposals were submitted to you with this office No. 652-C.E., dated 1st November 1906, to carry out the necessary repairs and improvements. But further information having been called for by you in your Memorandum No. 4915, dated 7th December 1907, the Executive Engineer after a long correspondence with the local officers forwarded to the Collector of Rámnád for countersignature the estimate referred to in paragraph 1 above to complete the investigation already commenced and requested that officer to arrange for the requisite funds being contributed by the Rámnád estate. The Collector in returning the estimate duly countersigned states that the proprietor's liability, if any, to pay for the whole or any portion of the investigation charges can be considered only after the issue of a notice under the Railway Protection Act, 1886 (Madras Act No. IV of 1886). He further requests that the necessary plans and estimates may be prepared, the cost being met in the first instance by the Public Works Department (*vide* his letter R. Dis. No. 311, Revenue of 1911, dated 25th June 1911, copy enclosed).

3. The expenditure already incurred by Government (Rs. 47–3–0 inclusive of departmental charges) is held under audit objection by the Deputy Accountant-General. I request, therefore, that you will be so good as to obtain the sanction of Government to the expenditure being debited in the first instance to the head—Class IV (*a*) Ordinary irrigation. On receipt of the above sanction the requirements of the tank will be completely investigated and the information called for in your Memorandum No. 4915, dated 7th December 1907, will be submitted.

Enclosure.

Letter—from J. F. Bryant, Esq., m.a., I.C.S., Acting Collector of Rámnád.
To—the Executive Engineer, Madura Special Division.
Dated—the 25th June 1911.
No.—R. Dis. 311-Rev.

In retransmitting herewith countersigned the estimate for the cost of investigating the Rámnád big tank, received with your letter No. 336-M., dated 6th February 1911, I have the honour to invite your attention to the Madura Collector's letter Reference on C. No. 3234-Gl.

of 1907, dated 31st August 1907, and to state that the proprietor's liability, if any, to pay for the whole or any portion of the investigation charges can be considered only after the issue of a notice under the Act. I therefore request you will be so good as to have plans and estimates prepared at an early date, the cost being met in the first instance by the Department of Public Works.

No. 721-*S.E.*, *dated* 1*st July* 1911.

Copy forwarded to the Superintending Engineer, VI Circle, with reference to correspondence ending with this office No. 691-S.E., dated 20th June 1911.

M. BROWN,
Executive Engineer, Madura Special division.

XII

Note by the Chief Engineer for Irrigation, R.O.C. No. 3733/10, dated 29th September 1911.

The papers read above relate to the question of repairing the Rámnád big tank, Madura Special division, and making it safe from breaching. In November 1906, the Superintending Engineer, VI Circle, submitted certain proposals for the scheme formulated by Executive Engineer, Mr. deChazal, at the instance of the Collector of Madura. After some correspondence the Superintending Engineer was asked in this office Memorandum No. 4915, dated 7th December 1907 to make the best estimate he could of the maximum flood discharge of the Vaigai above the tank, based on actual experiences as any estimate of the surplus discharge to be dealt with, deduced from Ryves' or Dicken's formula, was in this case quite untrustworthy and as it was believed that most of the flood water was taken up by the numerous irrigation channels with open heads higher up the river. Information was also called for on the following points :—

(1) What were the interests at stake on behalf of which the investigation had been started,

(2) how often had the tank breached in recent years and what damage had resulted therefrom,

(3) would the breaching of the tank by the ryots cease if permanent surplus works as proposed were provided,

(4) what would be the approximate cost of the surplus works proposed,

(5) would not the conditions of the case be sufficiently met by lowering the bund to F.T.L. wherever the levels of the ground in rear permitted and by forming breaching sections at suitable places, and

(6) who was to pay the cost of the work?

The Superintending Engineer was also told that the plans should show the position of Rámnád town which it was intended to protect.

2. The Superintending Engineer reports that in order to furnish, in full, the information called for in this office Memorandum No. 4915, dated 7th December 1907, it is necessary that the tank should be completely investigated and submits an estimate amounting to Rs. 125 to cover the cost of the investigation. The investigation has already been put in hand and the estimate is to cover expenditure already incurred and yet to be incurred. The Collector of Rámnád who was asked by the Superintending Engineer to arrange for the requisite funds being contributed by the Rámnád estate states that the proprietor's liability, if any, to pay for the whole or any portion of the investigation charges can be considered only after the issue of a notice under the Railway Protection Act. He has however countersigned the estimate and requests that the necessary plans and estimates may be prepared at an early date, the cost being met in the first instance by the Public Works Department. The Superintending Engineer accordingly recommends that the sanction of Government be obtained to the expenditure being incurred in the first instance from the grant under Class IV (*a*). The recommendation may be approved.

H. E. CLERK,
Chief Engineer for Irrigation.

To the Joint Secretary to Government, Public Works Department (Irrigation),
with the correspondence quoted in original.

Order—No. 347 I., dated 9th November 1911.

The following estimate is sanctioned :—

Provincial.

Irrigation.

43. Minor Works and Navigation.

Class IV.—Minor works for which neither Capital nor Revenue accounts are kept.

(*a*) In charge of the Public Works Department.

Original works.

Madura Special division.

Investigating the Rámnád big tank.

	RS.
Estimate	125

2. This sanction is registered as No. 61 I. of 1911–12.

(True Extract.)

H. E. CLERK,
Joint Secretary to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, VI Circle, with estimate.
,, Accountant-General, Madras.
,, Collector of Rámnád.
,, Revenue Department.

Forwarded to the

(By Order.)

Deputy Registrar.

PUBLIC WORKS DEPARTMENT
(IRRIGATION BRANCH).

NOTES CONNECTED WITH G.O. No. 347 I., DATED 9TH NOVEMBER 1911.

[SUBJECT.—*Estimate of Rs.* 125 *for certain preliminary investigation connected with a proposal to repair the Rámnád big tank so as to render it safe from breaching.*]

Note by the Chief Engineer for Irrigation, R.O.C. No. 3733/10, *dated 29th September* 1911.

Under Secretary—

A draft order sanctioning the estimate is submitted and may, if approved, be forwarded to Revenue for acceptance.

T.S.R.—26-9-11.

M.S.V.—26-9-11.

Secretary—

Submitted.

H. L. NICHOLSON—29-9-11.

As will be seen from the current file, it has been impossible to ascertain definitely what the proposals emanated from and in whose interests the idea of repairing the tank has been started. I believe it is mainly on account of the railway and I very much doubt if it will be possible to make out a case for getting either the lessees or the zamindar to spend large sums on the tank. The present estimate is a small one for the necessary investigation to submit a preliminary report and may be sanctioned.

The noting which has taken place in the Chief Engineer's office is attached for the information of the Revenue Secretary though I do not think that the notes contain anything of importance which cannot be found in the current file.

H. E. CLERK—29-9-11.

To the Revenue Department u.o.

REVENUE DEPARTMENT.

Under Secretary—

This is an estimate of Rs. 125 for expenses already incurred and those yet to be incurred on the preliminary investigation of measures to be adopted for making the Rámnád tank, a railway-affecting tank, safe from breaching. It appears that the investigation was started at the instance of the Collector of Rámnád who wished to know what action should be undertaken to protect the interests of the Madura-Pamban Railway from the danger threatened by the breaches in the above tank.

2. Under section 4 of Act IV of 1886, Madras, the Collector has to arrange for the preparation of plans and estimates whenever it appears to him necessary that measures should be taken in respect of any irrigation work for the protection of the railway. Copies of the plans and estimates are to be furnished to the landholder who owns the tank, along with the order to him to carry out the measures, etc.—*vide* section 5. There is no provision in this act for the recovery from the land-holder of the *cost of any preliminary investigation* necessary for the preparation of plans and estimates.

3. The Public Works Department are the professional advisers of the Collector and any cost to be incurred for the preliminary investigation by that department should, it seems, be borne by that department with no prospect of recovering it from the proprietor.

4. The Madura-Pamban Railway was constructed quite recently and very likely the Rámnád tank has not been rendered particularly insecure after the construction of the railway. As argued by the Public Works Department in the case of Samalkota * canal the Railway department ought to have provided sufficiently large vent ways in consideration of the then existing condition of the tank. Apparently for this reason the Chief Engineer for Irrigation has observed at page 1 above "I very much doubt if it will be possible to make out a case for getting either the lessees or the zamindar to spend large sums on the tank". This question will have to be considered only later on; an investigation seems now necessary to ascertain what measures will be required for the safety of the tank or whether at all its present condition is unsafe. The Public Works Department propose to sanction the estimate (Rs. 125) for this investigation debiting the cost to "43. Minor Works and Navigation in charge of Public Works Department—Original Works."

* File in the Public Works Department.

This department may accept the proposal. Paragraph 3 of the draft order should, it is submitted, be omitted as paragraph 3 of the Chief Engineer's note to which it refers has been struck off.

J. T. GWYNN.

R.S.—8-10-11.

Yes.

J. T. GWYNN—14-10-11.

To the Public Works Department (Irrigation) u.o.

PUBLIC WORKS DEPARTMENT (IRRIGATION BRANCH).

Under Secretary—

Paragraph 3 of the order has been struck off. The draft order may now issue.

M.S.—16-10-11.

B.G.R.—16-10-11.

Secretary—

For signature of draft order.

H.L.N.—18-10-11.

Issue.

H.E.C.—22-10-11.

[Issued as G.O. No. 347 I., dated 9th November 1911.]

12

E. I. Form No. 43—1,000—18-10-06.

REMINDER.

No. 3539 a, 9 9/07

MEMORANDUM.

The undersigned has the honor to request the Superintending Engineer Sixth Circle, to be good enough to expedite his reply to the reference noted below.

(By Order.)

[signature]

~~Asst. Chief Engr. for Irrigation.~~ D.E.I.

Chepauk, 7 September 1907.

[initials] 4/9/07

No. 4444 dated 15-11-06.

Repairs to the Ramnad big tank:— Requesting to obtain some details of the discharges when the tank breached and some more information as to what takes place during floods and what damage is done to it.

F.S.I. for perusal before submission [illegible]

DESPATCHED
DATE 9/9 1907
ENCLOS.

To

[initials] 3/9

The Superintending Engineer,

VI Circle.

INDEXED.

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Print { From the Supdg. Engr. VI Circle, dt 1.11.06, No 652 CE.
{ To — do —, dt 15.11.06, No 4444

Quote Reminder to do —, dt 9.9.07) 5.P

From — do, dt 27.9.07, No 530 CE
From — do, dt 14.11.07, No 614 CE
Print { To — do, dt 7.12.07, No 4915
From — do, dt 17.9.10, No 956 CE
To — do, dt 15.11.10, Roc No 3733

Quote Reminder to do, dt 23.2.11) 14.P

Print { From — do, dt 8.3.11, No 307 CE
{ From — do, dt 22.8.11, No 949 CE

18.P

CURRENT No. 12257
PASSED ON
R. C.
U. R. C {26/10
REF.
R. K.
. O

Note by the Chief Engineer for Irrign
Roc No 3733/10 dt 29.9.1911.

The papers read above relate to the question of repairing the Ramnad big Tank, Madura Special Division, and making it safe from breaching. In November 1906, the Supdg. Engr. VI Circle, submitted certain

347

pp 2 to 5 of C.f

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~~26~~ 14 18.P

proposals for the scheme formulated by the Exec: Engr; Mr De Chazal at the instance of the Collector (of Madura).

pp 6 to 10 of C.f. After some correspondence the Supg: Engr: was asked in this office Memo No

pp 11 + 12 of C.f. 4915 ^x dy 7.12.07, to make the best estimate, he could of the maximum flood discharge of the Vaigai above the tank, based on actual experiences, as any estimate of the surplus discharge to be dealt with, deduced from Ryves' or Dicken's formula, was in this case quite untrustworthy and as it was believed that most of the flood water was taken up by the numerous irrigation channel

3471

21

~~27~~ 15

21.P

channels with open heads higher up the river. Information was also called for on the following points:–

(1) What were the interests at stake on behalf of which the investigation had been started,

(2) How often had the tank breached in recent years and what damage had resulted therefrom,

(3) Would the breaching of the tank by the ryots cease if permanent surplus works as proposed were provided,

(4) What would be the approximate cost of the surplus works proposed,

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(5) Would not the conditions of the case be sufficiently met by lowering the bund to F.T.L wherever the levels of the ground in rear permitted + by forming breaching sections at suitable places,

and (6) Who was to pay the cost of the work.

The Supg. Engr: was also told that the plans should show the position of Ramnad Town which it was intended to protect.

2 The Supg. Engr: reports that in order to furnish, in full, the information called for in this Office memo No 4915 d/ 7.12.07, it is necessary that the tank should be

pp 21-22 of C.f

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Completely investigated & submits an estimate amounting to Rs 125 to cover the cost of the investigation. The investigation has already been put in hand and the estimate is to cover expenditure already incurred and yet to be incurred. The Collector (of Ramnad) who was asked by the S.E to arrange for the requisite funds being contributed by the Ramnad Estate states that the proprietor's liability, if any, to pay for the whole or any portion of the investigation charges can be considered only after the issue of a notice under the Railway Protection Act. He has

p 24 of C.f.

p 23 of C.f.

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however countersigned the estimate and requests that the necessary plans and estimates may be prepared at an early date, the cost being met in the first instance by the P.W.D. The Supg: Engr: accordingly recommend that the sanction of Govt be obtained to the expenditure being incurred in the first instance from the grant under Class IV(a) The recommendation may be approved.

p22 of C.f.

~~3. The Collector may be requested to issue the necessary notice to the proprietors at an early date and settle their liability~~

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To The Jt Secy to Govt - PWD(I) with the correspondence quoted in original. [initials]

[initials] 26.9.11

[initials] 29.9.11.

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Sd

SUBJECT.– Estimate of Rs 125 for certain investigations connected with the Ramnad Big Tank. 19

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

pp 25 to 30 of C.F.

READ the following

Note by the Chief Engr: for Irrign dt 29. 9. 11, Roc No 3733/10

Print Notes

24 P

Order No. 347-I. Dt 9-11-1911.

The following estimate is sanctioned:—

Provincial

Irrigation.

43–Minor Works and Navign.

Class IV – Minor Works for which neither capital nor revenue accts are kept.

(a) in charge of the PWD

Original Works.

Madura Special Division.

Investigating the Ramnad big Tank.

Estimate . . . Rs 125

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D Esp this RC

23.10.11

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2. This sanction is registered as No 61 - I of 1911-12.

~~3. The attention of the Collector of Ramnad is drawn to para 3 of the foregoing note by the Chief Engr. for Irrign.~~

[signature] 26.9.11

[signature] 26.9.11

[signature] 29.9.11

[signature] 22/10/11

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To

The Chief Engr: for Irrign
" Supdg Engr: VI Circle with estimate, MS Dgd 15/11/11
" Acct Genl, Madras,
" Collector of Ramnad,
" Reve Dept

Ordinary Papers.

Print Notes.

Despatched on 6/1/12

[illegible] — 26.12

[illegible] — 5

[illegible]

27/7/88/R1+